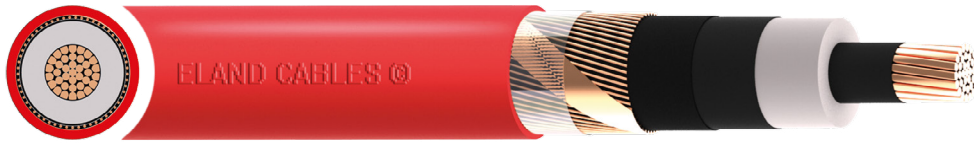


N2XSY XLPE PVC - 12/20 (24)kV Cable



Eland Product Group: A9X

APPLICATION

Medium voltage cables for distribution networks; also for connection to generation units and plant and process connection. To be laid directly in ground, outdoors, indoors and in cable ducts.

CHARACTERISTICS

Voltage Rating U₀/U (Um)
12/20 (24)kV

Temperature Rating
Fixed: -20°C to +90°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor
Stranded copper

Inner Semi-Conductive Layer
Semi-conductive material

Insulation
XLPE (Cross-Linked Polyethylene)

Outer Semi-Conductive Layer
Semi-conductive material

Screen
Copper wires

Sheath
PVC (Polyvinyl Chloride)

Sheath Colour
● Red

STANDARDS

DIN VDE 0276-620, HD 620, IEC/EN 60228

Flame Retardant according to IEC/EN 60332-1-2

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²		MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen			
A9X20KV1035	1	35	16	27	32	1100
A9X20KV1050	1	50	16	28	33	1250
A9X20KV1070	1	70	16	30	35	1450
A9X20KV1095	1	95	16	31	36	1750
A9X20KV1120	1	120	16	33	38	2050
A9X20KV1150	1	150	25	34	39	2400
A9X20KV1185	1	185	25	36	41	2800
A9X20KV1240	1	240	25	39	44	3400
A9X20KV1300	1	300	25	41	46	4000
A9X20KV1400	1	400	35	44	49	4950
A9X20KV1500	1	500	35	47	52	6050

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Ground	In Air
35	16	189	200
50	16	222	239
70	16	271	297
95	16	323	361
120	16	367	416
150	25	409	470
185	25	461	538
240	25	532	634
300	25	599	724
400	35	671	829
500	35	754	953

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.